

101 288342

10088342 . 040803

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
24 January 2002 (24.01.2002)

PCT

(10) International Publication Number
WO 02/06355 A3(51) International Patent Classification⁷: **C08F 8/06.**
C08L 27/16, 27/22(74) Agent: **NEEL, Henry**; Atofina, Département Propriété Industrielle, Cours Michelet - La Défense 10, F-92091 Paris la Defense (FR).

(21) International Application Number: PCT/EP01/08018

(22) International Filing Date: 11 July 2001 (11.07.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2000-216.895 18 July 2000 (18.07.2000) JP(71) Applicant (for all designated States except JP, US): **ATOFINA** [FR/FR]; 4/8, cours Michelet, F-92800 Puteaux (FR).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (for JP only): **ATOFINA JAPAN CO., LTD.** [JP/JP]; Bungei Shunju Annex, 3-23 Kioi-cho, Chiyoda-Ku, Tokyo 102 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MIYAKI, Yoshiyuki** [JP/JP]; c/o Kyoto Technical Center, Atofina Japan Co., Ltd., 1, Awatacho, Chudoji, Shimogyo-ku, Kyoto 600-8815 (JP). **OHASHI, Kazuyoshi** [JP/JP]; c/o Kyoto Technical Center, Atofina Japan Co., Ltd., 1, Awatacho, Chudoji, Shimogyo-ku, Kyoto 600-8815 (JP). **BARRIERE, Benoît** [FR/FR]; 27, rue de l'Eglise, F-27170 Barc (FR). **BURCHILL, Michael** [US/US]; 83 Hampton Drive, Langhorne, PA 19047 (US).**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
16 May 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **FLUORINE TYPE ADHESIVE RESIN COMPOSITION**

(57) Abstract: To introduce polar group by a simple and easy method without spoiling solvent-resistance and mechanical/thermal properties which fluorine type resin inherently possess to provide a fluorine type resin composition improved in adhesion. To provide an electrode structure for battery improved in adhesion between the electrode active material and the current collector by using the composition as a binder. Solution measure: partially denatured fluorine type resin (B') obtained by partial dehydrogenfluoride reaction and oxidation reaction is mixed to at least one fluorine type resin (A) at a weight ratio of (A/B') of 30/70 to 99/1.

WO 02/06355 A3